Index of Claims

| Application/Co | ntrol | No. |
|----------------|-------|-----|
|----------------|-------|-----|

09/183,375 Examiner

Gollamudi S. Kishore, Ph.D

Applicant(s)/Patent under Reexamination

SZEBENI ET AL.

Art Unit

1615

Rejected = Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

**Appeal** Α 0 Objected

|               |  | L                                      |              |  |              |          | j  |          |              | <u> </u> |
|---------------|--|--|--------------|--|--------------|----------|--|----------|--------------|----------|
|               |  |  | ~            |  |              |          |  |          |              |          |
| Cla           | im   | 17                                     | Date         |  |              |          |  |          |              |          |
| 1             |  | 1/                                     |              |  |              |          |  |          |              |          |
| Final         | Original   | L                                      |              |  |              |          |  |          |              |          |
| 证             | įį   | 1                                      |              |  |              |          |  |          |              |          |
|               |  | l.                                     |              |  |              |          |  |          |              |          |
|               | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8               | ĪΖ,                                    |              |  |              |          |  |          |              | П        |
|               | 2  | V/                                     |              |  |              |          |  |          |              | П        |
|               | 3  | V                                      |              |  |              |          |  |          |              | П        |
|               | 4  | 1                                      |              | Г  |              | Г        | Т  | Г        | Т            | П        |
|               | 5  | $\vdash$                               |              | Г  |              | Г        |  |          |              | П        |
|               | 6  | Г                                      | $\vdash$     | _  |              | Г        | T  |          | _            | П        |
|               | 7  | N                                      | Н            | _  |              | Т        | ┢  | _        |              | П        |
|               | 8  | N                                      |              |  | ┪            |          |  |          |              | Н        |
| $\vdash$      | 9  | 727                                    | $\vdash$     | Т  | _            | $\vdash$ | $\vdash$   | _        |              | Н        |
|               | 10   | ∀                                      |              | $\vdash$   | Н            | H        | ┢  | _        | $\vdash$     | Н        |
|               | 11   | N                                      | _            | $\vdash$   | $\vdash$     |          | <del>                                     </del> | $\vdash$ | Н            | H        |
| $\vdash$      | 12   | † <del>'</del> '                       |              | $\vdash$   |              |          | <del>                                     </del> | $\vdash$ | $\vdash$     | Н        |
| <b>—</b>      | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | t                                      | $\vdash$     | $\vdash$   |              | $\vdash$ | $\vdash$   |          | $\vdash$     | H        |
|               | 14   | t                                      | $\vdash$     | -  | <del> </del> | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | Н        |
| $\vdash$      | 15   | 1                                      | $\vdash$     | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | H        |
| $\vdash$      | 16   | 7                                      | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$     | H        |
|               | 17   | ⊬                                      | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   |          | $\vdash$     | H        |
|               | 18   | なる                                     | ⊢            | ┢  | -            | ┢        | ├  | ┝        | ┢            | H        |
|               | 10   | N                                      | -            | $\vdash$   | _            | ⊢        | H  | $\vdash$ | ├            | $\vdash$ |
|               | 20   | ⊢                                      | $\vdash$     | ⊢  | _            | Н        | $\vdash$   | -        | ┝            | Н        |
| $\vdash$      | 20   | 1                                      |              | -  | _            |          | ┝  | -        | ┝            | Н        |
|               | 21   | <del>[\</del> /                        | $\vdash$     | H  | _            | H        | $\vdash$   | $\vdash$ | _            | $\vdash$ |
| $\vdash$      | 20<br>21<br>22<br>23                               | ۲                                      | _            | _  | _            | -        | -  |          | -            | H        |
|               | 23   | ┢                                      |              | <u> </u>   |              |          | H  | _        | <del> </del> | $\vdash$ |
| <u> </u>      | 24   | ⊢                                      | <del> </del> | <u> </u>   | _            | $\vdash$ | ⊢  |          | ⊢            | Н        |
| $\vdash$      | 24<br>25<br>26<br>27<br>28<br>29<br>30             | ┢                                      | ┝            | ⊢  |              | <u> </u> | ⊢  |          | <b>!</b>     | Н        |
| $\vdash$      | 20   | ┢                                      |              |  |              |          | ├  |          | _            | Н        |
| $\vdash$      | 21   | <u> </u>                               |              | _  |              | -        | -  | _        | ⊢            | Н        |
| $\vdash$      | 28   | ┢                                      | <u> </u>     | <u> </u>   |              | H        | ⊢  | <u> </u> | -            | $\vdash$ |
| <u> </u>      | 29   | ⊢                                      | _            | <u> </u>   |              | <u> </u> | <u> </u>   |          | -            | Н        |
| $\vdash$      | 30   | $\vdash$                               | ⊢            | ⊢  | <u> </u>     | -        | <u> </u>   | <b> </b> | ├            | $\vdash$ |
| <u> </u>      | 31<br>32<br>33                                     | ⊢                                      | ├—           | <b>—</b>   | L            | <u> </u> | <u> </u>   | <u> </u> | ⊢            | Ш        |
| $\vdash$      | 32   | <u> </u>                               | ⊢            | <del> </del>                                     | ļ            | <u> </u> | <u> </u>   | <u> </u> | ⊢-           | Ш        |
| <u> </u>      | 33   | <u> </u>                               | <u> </u>     | ⊢  | L            | <u> </u> | <u> </u>   | <u> </u> | Щ.           | H        |
| L             | 34   | Ŀ                                      | <u> </u>     | ⊢  | ļ            | $\vdash$ | <b>—</b>   | <u> </u> | ⊢            | Н        |
| igsquare      | 35<br>36   | <u> </u>                               | <u> </u>     | <b>!</b>   | L            | <u> </u> | <u> </u>   | <u> </u> | <u> </u>     | H        |
| $\vdash$      | 36_  | <u> </u>                               | <b>!</b>     | <u> </u>   | ļ            | <u> </u> | <u> </u>   | $\vdash$ | $\vdash$     | $\sqcup$ |
|               | 37   | ⊢                                      | <u> </u>     | $\vdash$   | <u> </u>     | $\vdash$ | <b>—</b>   | $\vdash$ | $\vdash$     | Ш        |
| ļ             | 38   | ∟                                      | <b>—</b>     | <b>—</b>   | <u> </u>     | <u> </u> | <u> </u>   | _        | <u> </u>     | Ш        |
|               | 39   | L                                      | <u> </u>     | ∟  | <u> </u>     | <u> </u> | <u> </u>   | L.       | <u> </u>     | Ш        |
| oxdot         | 40   | <u> </u>                               | <u> </u>     | <b> </b>   | L_           | <u> </u> | <u> </u>   | L_       | Щ            | Щ        |
| $oxed{oxed}$  | 41   | $\vdash$                               | <u> </u>     | ⊢  | L            | Ш        | _  | oxdot    | <u> </u>     | Щ        |
|               | 42   | <u> </u>                               | <u> </u>     | <u> </u>   |              | L        | <u> </u>   | Щ        | Ц            | Щ        |
|               | 43   | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | <u> </u>     | _  | _            | <u> </u> | <u> </u>   |          | <u> </u>     | Ш        |
|               | 44   |  | L            |  |              |          |  |          |              | Ш        |
|               | 45   |  |              |  |              |          |  |          | Ĺ            | Ш        |
|               | 46   |  |              |  |              |          |  |          |              |          |
|               | 47   |  |              |  |              |          |  |          |              |          |
|               | 48   |  |              |  |              |          |  |          |              |          |
|               | 49   | Г                                      | П            |  |              | П        |  |          | Г            | П        |
|               | 50   |  |              |  |              |          |  |          |              | М        |
| $\overline{}$ |  |  | _            | _  |              |          | _  |          | _            |          |

|          | Cla      | im             | Date     |              |          |          |          |          |              |          |          |
|----------|----------|----------------|----------|--------------|----------|----------|----------|----------|--------------|----------|----------|
| 7        |          |                |          |              |          |          |          |          |              |          |          |
|          | Final    | Original       |          |              |          |          |          |          |              |          |          |
|          | ίΞ       | Oric           |          |              |          |          |          |          |              |          |          |
| _        | <u> </u> |                |          |              |          |          |          |          | _            |          |          |
| 4        | ļ        | 51             |          |              |          |          |          |          | L            |          |          |
| _        | <u> </u> | 51<br>52<br>53 |          |              |          |          |          |          |              |          | _        |
| _        | <u> </u> | 53             |          |              |          |          |          |          |              | _        | _        |
| _        |          | 54<br>55       |          |              |          |          |          |          | <u> </u>     |          | _        |
| 4        |          | 55             |          |              |          |          |          |          |              |          | _        |
| _        |          | 56             |          |              |          |          |          | _        |              |          | _        |
| _        |          | 57             |          |              |          |          |          | _        | lacksquare   |          | _        |
| 4        |          | 58             |          | $\vdash$     |          |          |          |          | <u> </u>     | _        | <u> </u> |
| 4        | _        | 59             |          | $oxed{oxed}$ | _        | _        | <u> </u> |          | $\vdash$     |          | _        |
| 4        |          | 60             | $\vdash$ |              |          |          |          |          | _            |          | _        |
| $\dashv$ | -        | 61             | $\vdash$ | <u> </u>     | _        | <u> </u> | _        |          | $\vdash$     | <u> </u> | <u> </u> |
| $\dashv$ | <u> </u> | 62             | $\vdash$ | $\vdash$     | <u> </u> | <u> </u> | _        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |
| $\dashv$ |          | 63<br>64       | -        | $\vdash$     | $\vdash$ | $\vdash$ | _        | $\vdash$ | $\vdash$     | $\vdash$ | <u> </u> |
| $\dashv$ |          | 04             | Н        | Н            | $\vdash$ | $\vdash$ | <u> </u> | Ь        | <del> </del> | -        | <b>-</b> |
| -        |          | 65             |          |              | $\vdash$ |          | <u> </u> |          |              |          | <b>—</b> |
| 4        | $\vdash$ | 66<br>67       | $\vdash$ | <u> </u>     | $\vdash$ | -        | H        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |
| -        | _        | 60             |          | $\vdash$     | $\vdash$ | _        | -        | _        | H            |          | H        |
|          | <u> </u> | 68<br>69       |          |              | $\vdash$ |          |          | _        | -            | _        | _        |
| -        | -        | 70             |          |              |          |          | _        | _        | <u> </u>     |          | <u> </u> |
| -        | <b>—</b> | 70             | _        |              | _        |          |          |          | -            |          |          |
| -        | -        | 71<br>72<br>73 |          |              |          |          |          | _        | <del> </del> |          |          |
| $\dashv$ | -        | 72             |          |              |          |          |          | H        | $\vdash$     |          |          |
| -        | $\vdash$ | 74             |          | _            | _        | -        | _        |          | -            |          |          |
| -        |          | 75             |          |              |          |          |          | -        | -            | _        |          |
| ┥        | -        | 76             |          |              | _        | _        | -        |          | $\vdash$     |          | $\vdash$ |
| $\dashv$ | $\vdash$ | 76<br>77       |          |              | _        |          |          | $\vdash$ | $\vdash$     |          | _        |
| ┥        |          | 78             |          |              | _        |          |          | -        |              |          |          |
| -        | -        | 78<br>79       |          |              |          |          |          | _        | -            |          | -        |
| ┥        | $\vdash$ | 80             |          |              | _        |          |          | -        | H            | _        | _        |
| ┥        | <b>—</b> | 81             | Н        |              | -        | _        |          |          |              |          | -        |
| $\dashv$ | $\vdash$ | 82             | H        | <u> </u>     | -        | _        | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |
| $\dashv$ | $\vdash$ | 82<br>83       | Н        | $\vdash$     | $\vdash$ | $\vdash$ |          | $\vdash$ | <del> </del> | Ι        | $\vdash$ |
| $\dashv$ | $\vdash$ | 84             | $\vdash$ |              |          | $\vdash$ | $\vdash$ | $\vdash$ | -            | -        | _        |
| $\dashv$ | $\vdash$ | 85             |          | Н            | Н        | $\vdash$ |          |          | $\vdash$     | $\vdash$ | $\vdash$ |
| $\dashv$ |          | 86             |          | Н            | $\vdash$ | Ι-       | -        | -        |              | Н        | Н        |
| $\dashv$ |          | 87             | Н        | $\vdash$     | $\vdash$ | _        | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ |
| $\dashv$ | -        | 88             | Н        |              |          | Н        |          |          | Н            |          | Н        |
| $\dashv$ | -        | 89             | Н        | $\vdash$     | _        | $\vdash$ | -        |          | $\vdash$     | Н        | Н        |
| $\dashv$ |          | 90             | _        | _            | $\vdash$ | $\vdash$ | $\vdash$ |          | Т            | П        | Н        |
| $\dashv$ |          | 91             |          |              |          |          |          |          |              |          | $\vdash$ |
| ヿ        |          | 92             |          |              |          |          |          |          |              |          |          |
| 7        |          | 93             |          |              |          |          | П        |          | П            |          |          |
| 7        |          | 94             |          |              |          |          | П        |          |              |          |          |
| ヿ        |          | 95             |          |              |          |          |          |          |              |          |          |
| ٦        |          | 96             |          |              |          |          |          |          |              |          |          |
| 7        |          | 97             |          |              |          |          | П        |          |              |          |          |
| 1        |          | 98             |          |              |          | П        |          |          |              |          |          |
|          |          | 99             |          |              | П        | П        |          |          | П            |          |          |
|          |          | 100            |          |              |          |          |          |          | П            |          |          |
| _        |          |                |          | _            |          |          |          |          |              |          | _        |

| Cla   | aim                                    | Date   |  |              |          |          |              |          |          |           |
|-------|--|--|--|--------------|----------|----------|--------------|----------|----------|-----------|
|       |  |  |  |              |          |          |              |          |          | П         |
| Final | Original                               |  |  |              |          |          |              |          |          |           |
|       |  | _  |  | _            |          |          | _            | ļ        |          | $\dashv$  |
|       | 101<br>102<br>103                      | <u> </u>   |  | <del> </del> |          | $\vdash$ | $\vdash$     | $\vdash$ | -        | $\vdash$  |
|       | 103                                    | $\vdash$   | <del>                                     </del> |              | _        | ┢        | H            | Н        |          | $\dashv$  |
|       | 104                                    | $\vdash$   |  | Н            | -        | -        | -            |          |          | П         |
|       | 104<br>105                             |  |  |              |          | Г        |              |          |          | П         |
|       | 106                                    | Г  |  |              |          |          |              |          |          | П         |
|       | 107                                    |  |  |              |          | •        |              |          |          |           |
|       | 108                                    |  |  |              |          |          |              |          |          |           |
|       | 109                                    | _  | _  |              |          | _        | <u> </u>     |          |          | Ц         |
|       | 110                                    | <u> </u>   |  | <u> </u>     |          | $\vdash$ | Ш            |          | _        | -         |
|       | 111                                    | ⊢  | H  |              | _        | <u> </u> |              | H        | H        | Н         |
|       | 112<br>113                             | <u> </u>   | <del> </del>                                     | $\vdash$     | _        | H        | ┝            | ⊢        | -        | Н         |
| -     | 114                                    |  | H  | -            | _        | -        | ├─           | H        | Н        | Н         |
|       | 115                                    | $\vdash$   | H  | Ι            | -        | $\vdash$ | $\vdash$     | Н        | Н        | Н         |
|       | 116                                    | $\vdash$   |  | Г            |          |          | Г            | П        | П        | Н         |
|       | 115<br>116<br>117                      |  |  |              |          |          |              |          |          | П         |
|       | 118<br>119                             |  |  |              |          |          |              |          |          |           |
|       | 119                                    |  |  |              |          |          |              |          |          |           |
|       | 120                                    | _  |  | $oxed{oxed}$ |          |          | <u> </u>     | L_       |          | Щ         |
|       | 121                                    | _  |  | L            |          |          | _            | L        |          | Ш         |
|       | 122                                    |  | -  |              |          | L        | _            |          |          | Ш         |
|       | 120<br>121<br>122<br>123<br>124<br>125 | <u> </u>   |  | _            | _        | H        | ┝            |          |          | Н         |
|       | 124                                    | ┝  | -  | $\vdash$     | _        | _        | $\vdash$     | Н        | ┝        | Н         |
|       | 126                                    | ┝  | H  |              | $\vdash$ | $\vdash$ | ┢            |          | $\vdash$ | $\forall$ |
|       | 127                                    | Т  | _  | _            |          |          |              |          |          | П         |
|       | 126<br>127<br>128                      |  |  |              |          |          |              |          |          |           |
|       | 129                                    |  |  |              |          |          |              |          |          |           |
|       | 129<br>130<br>131                      |  |  |              |          |          |              |          |          |           |
|       | 131                                    |  | _  | L            |          | L        |              | L        |          | Ш         |
|       | 132<br>133                             | L  |  |              |          | _        | _            | Ш        |          | Ш         |
|       | 133                                    |  | H  |              |          |          | <u> </u>     | _        | _        | Н         |
|       | 134<br>135                             |  | $\vdash$   |              | <u> </u> | <u> </u> | ┝            | ⊢        | ⊢        | Н         |
|       | 136                                    | <u> </u>   | $\vdash$   |              | _        | -        | ├            | ┢┈       | $\vdash$ | Н         |
| _     | 137                                    |  | $\vdash$   | $\vdash$     |          | -        | ┢╌           | -        | $\vdash$ | Н         |
|       | 137<br>138                             | $\vdash$   | $\vdash$   | Т            |          | $\vdash$ | H            | $\vdash$ |          | Н         |
|       | 139                                    | <del>                                     </del> | ┢  | Г            |          | Г        | Т            | Г        | Г        | П         |
|       | 140                                    |  |  |              |          |          |              |          |          |           |
|       | 141                                    |  |  |              |          |          |              |          |          |           |
|       | 142                                    | L  | L  |              |          | L        | $oxed{\Box}$ | $\Box$   | Ш        | Ш         |
|       | 143                                    |  | L  | L            |          | $\vdash$ | _            | L        | L.,      | Н         |
|       | 144                                    | <u> </u>   | $\vdash$   | L            |          | <b> </b> | <u> </u>     | <u> </u> | $\vdash$ | Н         |
|       | 145<br>146                             | <u> </u>   | H  | H            | -        | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$ | Н         |
|       | 147                                    | ⊢  | $\vdash$   | -            | -        | $\vdash$ | $\vdash$     | $\vdash$ | ┢╾       | Н         |
|       | 148                                    | H  | H  | Η-           | -        | $\vdash$ | $\vdash$     | $\vdash$ | H        | $\dashv$  |
|       | 149                                    | $\vdash$   | $\vdash$   | ┝            | -        | ┝╌       | Н            | H        | Н        | $\vdash$  |
|       | 150                                    |  | Н  | Т            |          | Т        | П            | Г        | -        | Н         |
|       |  |  |  |              |          |          |              |          |          |           |